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INGAA - OPS Meeting

Gas Pipeline Industry Integrity Management Program Rule

Washington, DC

June 15, 2000

Purpose

This meeting is one of a series of meetings between OPS and State regulators and the gas pipeline industry on how best to add protection to pipeline segments in high consequence areas (HCAs). The intended outcome of these meetings is a *technical basis document* developed by industry and docketed in support of a rulemaking.

Government Participants

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Key Meeting Observations

1. Opening Remarks

The meeting began with a brief overview of the primary industry presentations, allowing OPS participants who could participate for only a short time to hear the essence of the industry work and status. Following the brief overview, the industry began a more thorough presentation of their work.

The industry is discussing preparing two separate standards: one for "Direct Assessment"

that the industry proposes be sponsored by the National Association of Corrosion Engineers (NACE), and one for the Gas Pipeline Integrity Management that could be an ANSI-credited standard.

2. ***Discussion of the Definition of an HCA***

There was general agreement that the best way to resolve the questions on HCA definition would be for OPS and state representatives to participate on the INGAA team defining HCAs.

3. ***Discussion of Pipe Metallurgy***

Discussion focused on a curve that showed reinspection interval as a function of class location. It was agreed that the best way to resolve questions was for OPS and state representatives to participate in the INGAA team charged with developing reinspection parameters.

4. ***Effectiveness of integrity assurance measures designed to deal with threats other than corrosion damage (e.g., increased frequency of aerial patrols to address third party damage).***

INGAA intends to describe three different challenges to gas pipeline integrity, and to describe testing or other assurance methods (together with the appropriate reinspection frequencies associated with each) to assure pipeline integrity against each threat. The three challenges are static (e.g., material defects), dynamic (e.g., corrosion) and random (e.g., 3rd party damage).

5. ***Proposed integration of existing technologies to provide integrity assurance.***

These integrated assessment techniques are being referred to as “Direct Assessment”. The focus of this presentation was on proven technologies to provide assurance of pipeline integrity as alternatives to in-line-inspection. INGAA is embarking on a validation effort to demonstrate the reliability of these techniques. The key to this approach is integrating proven techniques to establish a diagnostic system.

6. ***Discussion of data on consequences of gas pipeline incidents.***

7. ***Actions Agreed Upon***

- INGAA will provide attendance lists
- INGAA will gather actual pipeline rupture incidents and compare the results with the predictions of their C-FER models
- OPS will provide guidance on the “knock-ons” to be added to the definition of HCAs
- INGAA will provide information on the references to the heat flux numbers used in the C-FER analysis, as well as the back up material on how the 25 houses within the bubble was developed
- INGAA will clarify the remediation criteria for lines inspected by direct assessment

- INGAA will provide information on how non-corrosion threats will be addressed in its integrity management plan
- INGAA work on incidents and best practices will be reviewed at the next meeting
- INGAA will provide information on how it will field test and validate direct assessment
- INGAA will connect the “Yellow Pages” to the HSB work on best practices
- INGAA will work to better integrate the components of its proposed approach in its next presentation
- OPS and interested states will supply names of people to participate on the INGAA teams to facilitate better information exchange.